

## CLIMATOLOGICAL DATA FOR MARCH, 1911.

## DISTRICT No. 1, NORTH ATLANTIC STATES.

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## GENERAL SUMMARY.

The weather of March, 1911, presented all the characteristics that are popularly attributed to this month in the northern latitudes; on most days the weather was decidedly cold, but there were many abrupt temperature changes attended by blustering winds, and frequent storms of snow, rain, or sleet, producing conditions that were thoroughly disagreeable and distinctly in contrast with the mild, dry, and unusually pleasant March of one year ago. Though the average temperature and precipitation for the month were not much below the normal, the number of severe cold waves, destructive winds, and heavy snows has not been equaled for several years, and the memory of March, 1910, being still fresh in the minds of the populace, the character of the month just closed seems to have been exceptionally severe. This impression has been deepened by the absence of strikingly warm periods in March and the generally mild character of January and February, which facts have made the month seem to partake more strongly of the characteristics of midwinter. In some parts of the section there occurred on one or more dates colder weather than had been previously experienced during the winter and colder than has been known in March for several years. At the close of the month vegetation was still generally dormant, except south of Pennsylvania, where some growth had taken place, and the ground in most sections was cold and wet, or frozen, and unfit for cultivation.

## TEMPERATURE.

The average temperature for the district was about  $36^{\circ}$ , which is more than  $2^{\circ}$  less than the normal, and nearly  $9^{\circ}$  less than the average for March of last year. The mean temperatures ranged from  $19.6^{\circ}$  at Bloomfield, Vt., to  $45.6^{\circ}$  at Eastville, Va., and over a large part of the district they were not more than  $3^{\circ}$  to  $5^{\circ}$  higher than in February. The temperature averaged lower than the normal in all sections, except from central New Jersey northeastward to Massachusetts, where, at some stations, there was a slight excess. In other parts of the district the deficiency was general and ranged from  $1^{\circ}$  to  $5^{\circ}$  at most stations. In central New York there was an average deficiency of about  $4^{\circ}$ , and over an extensive area in that section, as well as in many localities elsewhere, the lowest temperatures for March were within  $2^{\circ}$  or  $3^{\circ}$  of the lowest temperatures recorded during the winter. At Pocono Lake, Pa., there occurred a temperature of  $-18^{\circ}$  on the 7th, which is by several degrees the lowest that was recorded in the Pennsylvania section during the winter.

In the northern half of the district, particularly over the interior, the month was of a decidedly wintry character with scarcely any mild days, while temperatures of

zero or below occurred on from 5 to 13 days in many localities in Maine, New Hampshire, Vermont, and northern New York. Over this part of the district the highest temperatures at most stations were between  $45^{\circ}$  and  $60^{\circ}$  and the lowest ranged generally from  $-5^{\circ}$  to  $-20^{\circ}$ . A temperature of  $-27^{\circ}$ , the lowest for the month in the district, was observed on the 25th, at Bloomfield, Vt.

In the southern States of the district the highest temperatures of the month were mostly between  $70^{\circ}$  and  $80^{\circ}$ , while the lowest were generally between zero and  $15^{\circ}$ . At Eastville, Va., the extremes were  $73^{\circ}$  and  $21^{\circ}$ . The highest temperature recorded in the district was  $82^{\circ}$ , at Doswell, Va., on the 22d.

The month opened with moderate conditions, except in northern New England, where temperatures as low as  $-12^{\circ}$  occurred on the 1st. Somewhat warmer weather prevailed on the 2d, but a gradual change to colder set in over the district on the 3d and 4th, and in most sections the temperatures became lower from day to day until about the 7th, on which date the lowest temperatures of the month were observed in nearly all parts of New York and New England. Farther south lower temperatures continued to occur until the 9th. After that date the temperature rose to or slightly above the normal, and in a few localities in West Virginia and Virginia the highest temperature of the month occurred on the 12th, and comparatively mild weather prevailed in most sections until the 15th. A very severe cold wave attended by unusually high winds overspread the entire district on the 16th and 17th and produced the lowest temperatures of the month in most of the southern part of the district. Cold weather continued during the following day and unusually low day temperatures with high northerly winds prevailed, making the 16th and 17th about the most disagreeable days that have been experienced for several years. Beginning with the 18th there occurred a noticeable rise in temperature that culminated on the 22d and caused the warmest weather of the month throughout the southern part of the district, but it was of less importance farther north. Another sudden change to cold weather occurred about the 24th and produced temperatures lower than have been known so late in the season for many years. On the 25th several stations in northern New England and New York observed temperatures of  $-10^{\circ}$  or below. At Indian Lake, N. Y., the minimum temperature on that date was  $-15^{\circ}$ , and as far south as New Lisbon in central New York it fell to  $-2^{\circ}$ . A rapid rise in temperature occurred on the 26th and 27th, which produced the warmest weather of the month in the northern part of the district. The weather became warm enough to produce a general thaw, and, owing to the occurrence of heavy rains at this time, the ground was left quite wet during the closing days of the month, but vege-

tation in the northern States was scarcely influenced by the high temperatures of this brief period and at the end of the month remained generally dormant, there being no noticeable growth of grass, swelling of buds, or other evidences of spring such as usually become apparent much earlier in the season.

#### PRECIPITATION.

The average precipitation for the district was 2.90 inches, which is only about 0.73 inch less than the normal. There were no unusual features in the geographical distribution; the amounts were below the normal at 168 stations and above the normal at 34 stations, and varied locally from about 1 to 6 inches. The section averages ranged from 2.52 inches in Pennsylvania to 3.64 inches in New England. In western Maine and northern New Hampshire and Vermont there was a slight excess of precipitation, but there was an average deficiency of 0.40 inch in the New England section. In Pennsylvania, where the deficiency was greatest, the precipitation averaged 1.09 inches less than the normal. The greatest amount of precipitation recorded for the month at any station in the district was 5.71 inches at Madison, Me., and the least was 1.15 inches at Lawrenceville, Pa. Amounts exceeding 4 inches were recorded in all the States except Pennsylvania, Maryland, and Virginia; and amounts of less than 1.50 inches were observed only in New Hampshire, New York, Pennsylvania, Maryland, and Delaware.

In point of time, the distribution of the precipitation was not altogether favorable, for over the northern half of the district probably not more than 25 per cent of the monthly amount fell before the 15th. Accordingly, this part of the district experienced a comparatively dry period of 3 weeks or more, beginning from 6 to 10 days before the end of the preceding month. This permitted a very considerable reduction of the amount of snow on the ground and of the water held by the soil without producing high river stages, and made possible the occurrence of the later rapid thaws and heavy rains unaccompanied by floods such as often occur at this season. On the other hand, the continued deficiency of precipitation resulted in a very serious reduction of the water supply for New York City. Press dispatches of the 28th indicated that the amount of water in the reservoirs had diminished to such an extent as to leave the city nearer a water famine than it had been at any time in the last 25 years. Heavy rains, however, came just in time to afford relief. In fact, the heaviest precipitation of the month occurred at most stations on the 27th, just about the time the report of the water supply was being prepared for publication, and rains of nearly equal importance occurred again on the 29th and 30th in the northern States. At West Point, N. Y., the rainfall of the 29th amounted to 1.72 inches.

Over the southern States of the district precipitation occurred with remarkable regularity and there was no apparent deficiency of moisture during the first half of the month as in the north. This was not because of a greater number of storms in the southern part of the district, for the storms that occurred affected the northern States also, but was due to their passage farther south than usual causing heavier precipitation there than in the north.

The number of days on which rain or snow of measurable amount occurred averaged 11, which was fully up to the usual number for March. Storms of importance for the district as a whole occurred on the 6th, 15th, 27th, and 30th, and storms affecting large parts of the district

occurred on numerous other dates. Fair weather was quite general on 9 or 10 days, but rarely prevailed more than 24 hours at a time except on the 8th and 9th and on the 24th and 25th.

#### SNOWFALL.

More than the usual amount of snow fell in nearly all parts of the district. Extensive areas in New York and New England received from 20 to 40 inches of snow within the month. The total amount recorded at Morehouseville, N. Y., was 48 inches. From Pennsylvania southward the average amount was not far from 10 inches, although less than 5 inches fell over the greater part of the coast plains south of Connecticut. The average snowfall for New York and New England was nearly 18 inches. The difficulties commonly accompanying heavy snowfall were frequently experienced, especially in the northern States, where there were many serious blockades, delayed trains, damaged telephone systems, etc.

Heavy snow fell in the middle and southern States of the district on the 6th and 7th and continued through the 8th in Virginia and Maryland, producing a depth of 3 to 8 inches in most parts of those States. At Norwich, N. Y., the snowfall of the 6th amounted to 11 inches. After the 8th only light and scattered snow was observed in New Jersey, Maryland, Delaware, and Virginia, but farther north snow was quite general and heavy on the 15th, 18th, 20th, and 30th. Heavy snow fell also on the 22d in northern New England. Snow did not remain long on the ground in the southern half of the district; below the latitude of northern Connecticut few regions were completely covered more than 4 or 5 days. Farther north there was little melting and considerable snow remained on the ground until about the 26th, when a rapid thaw began. At the end of the month the ground was generally bare on the lowlands as far north as Albany, N. Y., but greater quantities of snow remained in the northern regions, particularly near the mountains, where many stations reported depths of from 10 to more than 30 inches. In some northern localities reports indicated that sleighing had been continuous for about 120 days.

#### RIVER CONDITIONS.

River stages averaged considerably lower than usual for March. The only event of importance was the occurrence of a freshet in the Mohawk River immediately following the warm weather and rains of the 26th and 27th. The river rose to about the flood stage, slightly exceeding it in some places, owing to the effects of moving ice, but causing no unusual damage. Streams rose rapidly at the same time in all parts of the district, but in no other sections were very high stages reached.

#### MISCELLANEOUS.

The average number of hours of sunshine, taken from the records of 13 stations, was 237, which is 98 hours more than the average for the preceding month. Only 163 hours of sunshine were observed at Eastport, Me., but at Baltimore, Md., there was a total of 254. The percentage of the possible sunshine averaged 62, and varied from 44 at Eastport, Me., to 68 at New York City and Baltimore. The average number of days with 80 per cent or more of the possible sunshine was 12, and the average number with 20 per cent or less was 6. The number of days with 0.01 inch or more of precipitation for all stations in the district averaged 11, the number of clear days 12, partly cloudy days 10, and cloudy days 9.

A destructive storm of tornadic character passed from Pennsylvania into New Jersey on the 27th. The following accounts of it have been furnished by the section directors of those States:

The storm of March 27, 1911, struck Philadelphia in the form of squalls, and while the wind velocities did not seem unusual in some sections in others they were destructive. The highest velocity recorded at the Weather Bureau station was 30 miles per hour, but houses were unroofed in many parts of the city, and several persons were injured by falling signs, poles, and other débris. The greatest damage was done at Tacony, a northeastern borough of Philadelphia, where it has been estimated at upward of \$100,000. One person was killed and many sustained more or less injury. The storm at that place assumed many of the characteristics of a tornado, the damage being done along a well defined path about 150 yards in width, and extending about 1½ miles from southwest to northeast. Over this course the débris was strewn in all directions, with a predominance in the direction of the storm's movement. Many buildings were unroofed, and large trees were completely uprooted. Two instances were noted where the end of a brick building was torn out as if struck by a large projectile, while the remainder of the building remained intact. Many windows were blown out of buildings, falling on the outside. The greatest damage to any one interest was sustained by the Philadelphia Electric Co. More than 60 miles of wire were required to replace the tangled masses that were thrown to the ground in the short distance covered by the storm's path. The destruction had the appearance of having been done by a tornado funnel, swinging a short distance above the ground, as the writer has seen them do on two occasions in Iowa. Its counterpart was also noted in Minneapolis, Minn., on August 20, 1904, in the matter

of distribution of wreckage, etc. In the latter case the storm occurred after dark, and its action could not be viewed, but it destroyed everything in a sharply defined path for several miles as it approached the city from the southwest, and then seemed to lift above the ground during the remainder of its course, taking out skylights and blowing out windows by the sudden reduction of air pressure and the accompanying explosive effect. At Tacony these conclusions were also borne out by the report of a policeman who stood under a railroad viaduct and watched the storm as it passed. He stated that a column, like dense, black smoke from a chimney, appeared suspended from the clouds, swinging a short distance above the ground, as it moved past him the air seemed filled with débris, and there was a steady rumbling like heavy thunder. After covering a course of about 1½ miles the storm seems to have raised for several miles, and to have touched the ground again at Burlington, N. J. Some fishermen on the Delaware River, between the two points, gave about the same description of the storm's appearance as that furnished by the Tacony policeman.

The storm crossed the Delaware River and expended great energy in the vicinity of Burlington and Florence, N. J. Damage amounting to about \$4,000 is reported from Burlington, as a result of unroofing buildings, etc. Many farm buildings of light construction were razed and many persons were exposed to injury from the flying timbers. It is reported that the storm had a well-defined pendant, funnel-shaped cloud, with rotary winds, in the vicinity of Burlington, N. J., that it moved from the southwest toward the northeast, and that the path of greatest destruction in that city was about 150 feet wide. Complete details relative to the tornadic character of the storm are lacking, but it is believed that after crossing the Delaware River this feature of the storm was largely dissipated. As far as known no lives were lost in New Jersey.

TABLE 1.—Climatological data for March, 1911. District No. 1, North Atlantic States.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.					Precipitation, in inches.					Sky.	Prevailing wind direction.	Observers.			
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmeasured).	Number of rainy days, 0.01 inch or more.	Number of part-ly cloudy days.	Number of cloudy days.		
<b>Maine.</b>																			
Bar Harbor.	Hancock.	20	25	28.9	-2.3	52	97	5	17	40	4.35	-1.21	1.10	18.0	11	18	nw.	William Miller.	
Cornish.	York.	778	56	28.0	-1.3	63	28	-11	7	58	4.29	-0.09	1.05	23.0	12	15	w.	T. H. West.	
Eastport.	Washington.	53	39	27.6	-1.3	45	27	2	1	35	3.68	-0.30	1.06	20.8	12	11	sw.	U. S. Weather Bureau.	
Fairfield.	Somerset.	90	26	25.9	-1.9	55	26	-13	25	57	4.03	+1.03	.81	20.8	10	13	5	E. F. Parker.	
Farmington.	Franklin.	450	14	24.2	-6.0	54	26	-8	1	55	5.54	-0.93	1.10	31.5	13	13	7	W. G. Mallett.	
Gardiner.	Kennebec.	163	19	27.3	-3.0	58	26	-12	8	59	4.60	+0.46	1.04	8.0	13	20	1	Samuel D. Soule.	
Greenville.	Piscataquis.	1,000	7	20.5	-	55	26	-12	17	54	4.95	-	.80	23.5	13	11	sw.	U. S. Weather Bureau.	
Houlton.	Aroostook.	362	9	22.8	-	48	27	-12	7	48	1.65	-	.60	23.0	6	14	7	Bangor & Aroostook R. R.	
Lewiston.	Androscoggin.	185	37	26.4	-2.4	55	26	-8	8	55	5.04	+0.40	1.63	16.5	10	17	5	Union Water Power Co.	
Madison.	Somerset.	257	8	20.2	-	54	27	-11	7	48	5.71	-	1.08	24.0	10	19	3	Wm. Jardim.	
Milinocket.	Penobscot.	388	8	23.8	-	53	26	-14	7	55	4.26	-	.75	30.0	12	11	10	H. S. Ferguson.	
North Bridgton.	Cumberland.	450	18	27.6	-1.3	57	26	-8	1	57	4.31	-	.54	1.04	10	15	6	G. E. Chadbourn.	
Orono.	Penobscot.	129	42	25.2	-2.4	53	27	-12	7	55	3.97	-	.18	.90	24.0	12	14	2	Agr. Exp. Sta.
Patten.	do.	550	9	22.0	-	55	26	-14	17	59	3.65	-	.60	20.0	12	16	7	Bangor & Aroostook R. R.	
Portland.	Cumberland.	.99	40	29.5	-2.5	50	26	7	16	33	5.60	+1.85	1.75	12.0	13	14	7	U. S. Weather Bureau.	
Presque Isle.	Aroostook.	219	18	19.8	-	45	14	-20	4	56	1.81	-	.33	17.0	17	17	4	S. L. Merriman.	
Rumford Falls.	Oxford.	505	18	24.6	-2.0	52	26	-7	7	47	4.16	-	.05	1.00	32.2	11	19	2	C. A. Mixer.
Winslow.	Kennebec.	90	16	25.9	-	54	27	-10	8	55	3.83	-	.90	15.5	9	17	4	Hollingworth & Whitney Co.	
<b>New Hampshire.</b>																			
Alstead Center.	Cheshire.	1,120	7	26.2	-	50	26	1	16	37	3.23	-	.64	28.0	13	19	3	Frank Dewing.	
Benton.	Grafton.	2	24.1	-	57	26	-5	16	40	1.86	-	.38	25.5	11	14	5	State Sanatorium.		
Bethlehem.	do.	1,470	19	23.2	-3.3	54	26	-7	5	42	2.58	-	.39	.72	19.5	13	14	5	Ben. Tucker.
Concord.	Merrimack.	350	21	28.6	-2.9	60	26	-3	7	47	4.01	-	.61	1.12	14.6	13	10	U. S. Weather Bureau.	
Durham.	Stafford.	88	16	29.4	-2.1	62	26	-2	1	41	1.23	-	.30	.80	13.0	7	17	3	Agr. Exp. Sta.
Franklin.	Merrimack.	440	12	28.3	-	56	26	-7	7	54	3.05	-	.64	17.0	12	17	5	P. C. F. Webster.	
Grafton.	Grafton.	863	25	23.6	-3.9	55	26	-18	7	55	3.42	-	.41	.65	19.0	10	19	3	P. R. Kimball.
Hanover.	do.	603	77	26.0	-1.4	55	26	-10	16	55	3.30	+0.77	.76	22.6	12	12	11	Dartmouth College.	
Keene.	Cheshire.	506	26	28.9	-1.7	58	26	-10	7	53	3.55	-	.47	.76	17.7	13	9	9	Sam'l. Wadsworth.
Nashua.	Hillsboro.	125	26	31.6	-1.6	62	26	-4	7	46	3.97	-	.19	1.15	9.5	11	11	Jackson Co.	
Newton.	Rockingham.	23	29.8	-2.0	60	26	-2	2	8	49	4.05	-	.45	1.35	3.0	10	13	3	W. C. Gale.
Plymouth.	Grafton.	300	23	24.2	-2.7	57	26	-17	8	56	3.83	-	.09	.74	26.0	12	18	3	Hattie G. Trow.
<b>Vermont.</b>																			
Bloomfield.	Essex.	4	19.6	-	52	26	-27	25	61	3.21	-	.83	24.5	16	16	5	L. F. Power Co.		
Cavendish.	Windsor.	910	8	27.1	-	57	26	-6	8	48	3.19	-	.95	15.0	8	16	4	M. A. Kingsbury.	
Chelsea.	Orange.	840	16	22.4	-2.6	50	26	-14	7	51	2.91	-	.84	.75	30.0	15	14	6	Geo. Dewey.
Jacksonville.	Windham.	1,000	26	23.6	-3.0	48	11	-16	7	56	4.57	+0.29	1.30	41.6	12	16	7	Martha French.	
Manchester.	Bennington.	980	12	27.8	-	55	27	0	7	53	3.31	-	.43	18.5	7	12	10	N. M. Canfield.	
St. Johnsbury.	Caledonia.	711	18	24.4	-2.1	58	26	-15	25	54	3.50	-	.60	11.6	15	13	8	Fairbanks Museum.	
Woodstock.	Windsor.	700	19	23.9	-3.8	54	27	-14	7	57	3.52	-	.30	.92	34.5	10	12	3	John S. Eaton.
<b>Massachusetts.</b>																			
Amherst.	Hampshire.	222	22	31.8	-0.9	59	26	2	7	44	3.80	+0.32	.91	10.5	11	17	7	Hatch Exp. Sta.	
Blue Hill.	Norfolk.	640	27	32.2	-1.1	62	22	10	16	33	3.27	-	.94	.79	4.6	16	11	7	A. L. Rotch.
Boston.	Suffolk.	124	41	35.4	+4	66	22	14	16	31	2.95	-	1.13	.83	3.1	14	13	6	U. S. Weather Bureau.
Chestnut Hill.	do.	124	31	34.6	+1.3	65	22	7	8	37	3.27	-	.78	.81	4.1	11	21	3	Met. Water Board.
Clinton.	Worcester.	370	15	30.9	-	59	27	-3	7	38	4.28	-	1.06	11.5	14	21	4	Do.	
Concord.	Middlesex.	139	21	31.6	-1.6	62	22	1	8	44	3.29	-	.02	1.06	7.5	12	14	Fred A. Tower.	
Fall River.	Bristol.	200	45	34.2	-1.8	54	26	14	16	26	3.43	-	1.10	1.15	4.8	14	12	6	C. V. S. Remington.
Fitchburg.	Worcester.	550	23	31.7	-1.1	60	26	4	8	41	2.98	-	.89	.68	9.5	11	18	7	Dr. A. P. Mason.
Framingham.	Middlesex.	160	31	33.9	-3.3	63	23	3	8	41	3.33	-	1.16	.98	5.5	11	11	Met. Water Board.	
Hyannis.	Barnstable.	51	20	33.2	-3.5	55	22	16	10	19	3.22	-	1.48	1.30	4.0	12	16	8	C. F. Sleeper.
Lawrence.	Essex.	51	27	31.7	-0.9	60	26	0	8	47	3.64	-	.04	1.00	8.0	13	13	6	Essex Co.
Lowell.	Middlesex.	100	26	33.1	+0.6	60	26	0	7	43	3.50	-	.73	1.17	8	12	8	Proprietary Locks & Canals.	
Middleboro.	Plymouth.	53	25	33.4	-0.8	57	22	10	14	44	3.63	-	.77	1.03	.8	13	9	A. R. Gurney.	
Monson.	Hampden.	420	27	31.1	-2.0	56	26	-7	7	40	3.85	-	.15	.85	16.0	13	15	11	Dr. G. E. Fuller.
Nantucket.	Nantucket.	15	25	34.8	-2.0	50	22	18	16	22	3.35	-	.63	.98	6.8	13	9	7	U. S. Weather Bureau.
Norfolk.	do.	244	8	28.8	-	60	22	-2	2	8	51	3.55	-	.87	2.0	8	17	5	Ruby H. Martyn.
Northampton.	Hampshire.	205	31	31.8	-	60	27	-2	7	39	3.98	-	1.44	9.0	8	16	4	D. E. Hoxie.	
Plymouth.	Barnstable.	26	32.3	-	60	27	12	17	37	3.34	-	.74	3.8	10	18	4	Laurel K. Knapp.		
Provincetown.	do.	40	24	32.9	-2.7	52	26	14	16	30	1.99	-	2.15	4.0	2.5	8	21	0	Gideon Bowley.
Rockport.	Essex.	25	9	33.4	-	54	30	12	17	34	4.17	-	1.20	2.5	11	13	9	C. F. P. Bearse.	
Rutland.	Worcester.	1,160	9	29.0	-	57	27	6	15	37	3.85	-	1.20	2.5	11	13	9	State Sanatorium.	
South Egremont.	Berkshire.	764	9	26.5	-	50	27	-10	7	43	3.93	-	.98	13.1	12	15	4	R. C. Taft.	
Turners Falls.	Franklin.	200	20	30.3	-3.3	53	27	4	7	33	4.44	+0.29	.94	11.8	13	13	11	Turners Falls Co.	
Westboro.	Worcester.	298	37	34.3	+1.3	63	23	8	8	47	3.15	-	1.27	.95	8.0	10	10	G. S. Newcomb.	
Williamstown.	Berkshire.	711	30	29.6	+0.6	55	23	-4	7	36	2.49	-	.59	.82	11.2	14	9	Williams College.	
Worcester.	do.	518	19	32.5	-1.7	61	26	9	16	30	3.84	-	.52	.61	12.1	13	14	7	G. W. Swan.
<b>Rhode Island.</b>																			
Block Island.	Newport.	26	31	34.3	-1.6	48	29	17	16	21	3.16	-	1.21	1.06	5.0	13	15	8	U. S. Weather Bureau.
Bristol.	Bristol.	53	25	34.3	-1.0	49	30	16	7	25	3.68	-	1.64	.80	1.5	10	19	6	N. G. Herreshoff.
Kingston.	Washington.	250	22	32.1	-2.2	57	22	11	5	30	4.04	-</							

TABLE 1.—Climatological data for March, 1911. District No. 1—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing direction of wind.	Observers.	
				Mean.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Greatest in 24 hours.	Total snowfall, unmeted.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.			
<i>New York.</i>																			
Addison.	Steuben.	1,000	21	32.6	-1.2	64	22	-1	7	42	1.47	-1.09	.50	6.2	12	13	8	10	nw.
Albany.	Albany.	97	90	31.5	-6	56	26	3	7	32	2.51	-2.23	.80	14.4	10	13	12	6	nw.
Alfred.	Allegany.	1,976	16	.....	.....	61 <sup>b</sup>	27	-3 <sup>a</sup>	36 <sup>b</sup>	36 <sup>b</sup>	2.34	+ .02	.75	10.0	9	.....	.....	.....	.....
Amsterdam.	Montgomery.	277	7	27.8	56	27	.....	3	7	37	2.79	.....	.65	17.0	10	20	4	7	w.
Athens.	Greene.	90	9	33.0	57	23 <sup>b</sup>	3	7	35	3.35	.....	1.04	14.5	9	10	14	7	sw.	
Ballston Lake.	Saratoga.	400	7	29.4	58	14	-9	7	41	2.92	.....	.79	21.2	12	13	8	10	w.	
Bedford.	Westchester.	450	20	35.4	-2.0	67	22	11	7	40	2.21	-1.43	.49	4.0	10	16	10	5	.....
Binghamton.	Broome.	20	29.1	2.9	62	27	-2	7	40	1.81	-1.83	.61	7.1	5	4	10	17	w.	
Bouckville.	Madison.	1,350	14	25.4	-4.9	50	20 <sup>b</sup>	-5	5	34	3.89	+ .34	.60	27.0	17	7	9	15	nw.
Boyd's Corners.	Putnam.	560	29	.....	.....	.....	.....	.....	.....	4.69	- .05	.....	.....	.....	.....	.....	.....	.....	
Carmel.	do.	500	19	31.4	-3.6	64	23	2	7	43	4.34	- .55	1.04	9.0	12	16	6	9	nw.
Chatham.	Columbia.	470	10	31.9	-2.7	58	26	0	7	38	3.51	+ 1.11	1.05	8.0	11	15	5	11	n.
Cooperstown.	Otsego.	1,250	57	.....	.....	.....	.....	.....	.....	3.15	+ .33	.68	17.4	17	14	11	6	s.	
Corinth.	Saratoga.	542	9	.....	.....	.....	.....	.....	.....	3.33	.....	.82	14.0	8	.....	.....	.....	.....	
Cortland.	Cortland.	1,128	49	30.2	-3	60	27 <sup>b</sup>	-5	7	38	2.10	- .60	.37	14.7	15	12	7	12	s.
Cutchogue.	Suffolk.	32	34	35.2	-2.4	55	23	16	16	25	4.04	- .08	1.08	5.5	12	13	16	2	nw.
De Ruyter.	Madison.	1,300	8	26.6	53	27	-13	7	51	3.72	.....	1.00	22.9	15	16	11	6	14	nw.
Easton.	Washington.	21	.....	.....	.....	.....	.....	1.89	.....	1.16	.43	18.0	7	.....	.....	.....	.....	.....	
Elmira.	Chemung.	863	32	35.0	-5	61	26	2	7	43	2.66	- .87	.69	20.7	9	8	5	18	w.
Glens Falls.	Warren.	340	20	29.4	-1.7	54	23	-3	7	42	2.66	- .87	.69	20.7	9	8	5	18	w.
Gloversville.	Fulton.	850	19	26.3	-3.2	54	27	-5	7	43	2.59	-1.60	.63	22.0	10	16	8	7	w.
Greenfield Center.	Saratoga.	314	13	28.6	-1.7	54	27	3	8	40	3.08	- .71	.80	10.0	9	16	6	9	sw.
Greenwich.	Washington.	425	14	31.2	-8	58	27	0	7	33	3.52	- .10	.70	21.5	15	13	15	3	w.
Griffin Corners.	Delaware.	2,360	11	28.0	-3.7	60	26	-7	7	51	2.92	+ .05	.65	11.9	12	12	6	13	w.
Haskinsville.	Steuben.	16	.....	.....	.....	.....	.....	1.21	.....	1.26	.25	6.3	11	.....	.....	.....	.....	.....	
Homer.	Cortland.	20	26.6	-4.6	58	27	-11	7	38	3.14	.....	.96	6.5	14	12	5	14	nw.	
Hoosick Falls.	Rensselaer.	410	9	.....	.....	.....	.....	.....	.....	3.79	.....	1.20	17.7	16	13	3	13	w.	
Indian Lake.	Hamilton.	1,705	12	22.7	-4.2	55	26	-22	7	60	2.91	- .12	.85	13.0	10	15	3	13	w.
Jeffersonville.	Sullivan.	1,240	8	29.2	58	26	-5	7	51	2.74	.....	.74	15.0	12	15	11	5	w.	
Liberty.	do.	2,300	29	25.4	-4.9	53	27	1	17	42	2.72	- .33	.83	16.5	8	14	1	16	nw.
Little Falls.	Herkimer.	924	13	26.2	-3.2	51	27	3	57	36	2.63	- .67	.35	12.0	12	13	9	9	w.
Mohonk Lake.	Ulster.	1,245	15	30.8	-1.2	57	23	6	7	36	4.37	- .30	1.00	9.5	9	8	13	10	w.
Morehouseville.	Hamilton.	1,897	3	.....	.....	57 <sup>b</sup>	26	-21	5	58 <sup>b</sup>	5.60	.....	.89	48.0	9	16	5	11	w.
Newark Valley.	Tioga.	825	24	.....	.....	.....	.....	.....	.....	2.02	-1.14	.43	14.0	12	12	8	11	.....	
New Berlin.	Chenango.	4	.....	.....	.....	.....	.....	.....	.....	2.27	.....	.68	10.5	20	11	2	18	s.	
New Lisbon.	Otsego.	1,234	21	24.2	-4.9	55	27	-13	7	51	2.33	- .79	.68	19.0	11	8	8	15	s.
New York City.	New York.	314	86	37.6	+ .1	67	23	16	16	29	2.87	-1.23	.91	2.8	11	9	14	5	nw.
North Creek.	Warren.	1,003	3	26.2	52	26	-13	7	50	2.20	.....	.85	15.5	9	10	9	12	nw.	
Northville.	Fulton.	742	9	.....	.....	.....	.....	.....	.....	2.96	.....	.80	24.5	9	.....	.....	.....	.....	
Norwich.	Chenango.	1,015	5	27.18	56 <sup>b</sup>	23	-7 <sup>a</sup>	7	39 <sup>b</sup>	2.12	-1.35	.33	12.2	15	13	4	14	nw.	
Oxford.	Otsego.	1,112	17	29.0	-5.0	57 <sup>b</sup>	27	-2 <sup>a</sup>	7	39 <sup>b</sup>	2.12	-1.35	.33	12.2	15	13	4	14	w.
Port Jervis.	Chemung.	916	46	23.8	-2.4	55	27	-7	7	41	2.70	- .16	.46	19.5	12	16	9	9	sw.
Scarsdale.	Orange.	470	27	33.8	-1	63	23	8	7	40	3.49	- .01	.92	11.5	11	16	12	3	w.
Scarsdale.	Salisbury.	1,520	14	23.6	-6.9	52	27	-14	7	49	3.54	- .41	.73	16.0	16	17	9	5	w.
Setauket.	Westchester.	200	7	34.6	70	23	12	13	17	30	3.95	1.25	7.5	10	22	3	6	nw.	
Sherburne.	Suffolk.	40	26	36.1	-7	64	22	15	16	31	3.40	-1.07	1.10	4.0	10	14	10	7	w.
Southampton.	Chenango.	4	.....	.....	.....	.....	.....	.....	.....	2.35	.....	.85	24.1	12	11	3	18	s.	
Southeast Reservoir.	Suffolk.	36	10	34.7	-3.2	50	22	17	10 <sup>b</sup>	25	3.71	- .49	.81	3.4	13	13	14	4	nw.
Spier Falls.	Putnam.	310	16	.....	.....	.....	.....	.....	.....	3.74	-1.16	.....	.....	.....	.....	.....	.....	.....	
Saratoga.	do.	400	10	28.2	52	26 <sup>b</sup>	-6	7	44	3.32	.....	.80	27.0	10	10	14	7	sw.	
Trenton Falls.	Oneida.	751	8	.....	.....	.....	.....	.....	.....	2.85	.....	.55	.....	.....	.....	.....	.....	.....	
Tribes Hill.	Montgomery.	268	8	.....	.....	.....	.....	.....	.....	2.60	.....	.60	18.0	7	.....	.....	.....	.....	
Utica.	Oneida.	537	45	.....	.....	.....	.....	.....	.....	2.86	- .9	.61	.....	.....	.....	.....	.....	.....	
Wading River.	Suffolk.	113	5	35.4	81	23	14	9	37	4.03	.....	.94	8.5	13	17	7	7	sw.	
Wappingers Falls.	Dutchess.	110	21	32.2	-4.0	62	22	10	15	36	2.37	-1.75	.82	12.0	8	12	14	5	w.
Warwick.	Orange.	538	17	.....	.....	.....	.....	.....	.....	3.77	- .22	.82	7.3	10	12	5	10	w.	
Waverly.	Tioga.	824	29	31.8	-5	60	26	-3	7	41	1.96	-1.76	.65	7.3	16	5	13	13	w.
West Berne.	Albany.	946	12	29.5	-2.5	68	23	-10	7	53	1.55	-1.18	.66	14.0	8	8	3	20	w.
West Point.	Orange.	167	03	33.2	-3.2	67 <sup>b</sup>	23	7	17	42 <sup>b</sup>	4.02	+ .37	1.72	6.5	9	13	9	9	w.
Windham.	Greene.	1,520	11	29.1	-2.9	58	23 <sup>b</sup>	-8	7	42	3.01	+ .16	.60	15.8	16	8	20	3	sw.
<i>Pennsylvania.</i>																			
Altoona.	Blair.	1,181	23	40.2	+ 2.3	73	23	8	16	45	1.92	-1.43	.52	.....	11	17	5	9	nw.
Bethlehem.	Northampton.	260	1	39.0	.....	72	23	12	16	39	2.93	.....	.76	8.0	11	17	5	9	nw.
Clefield.	Clefield.	1,107	3	34.4	.....	61	23 <sup>b</sup>	6	5	48	2.90	.....	.68	10.0	12	13	5	13	w.
Drifton.	Luzerne.	1,133	13	28.0	-6.6	57	23	0	16	38	2.69	- .52	.85	17.8	13	17	6	8	w.
Emporium.	Cameron.	1,050	24	31.5	-4.0	62	23	5	57	37	2.94	- .99	.51	7.0	12	8	5	15	w.
Ephrata.	Lancaster.	384	11	36.2	-3.7	70	23	5	9	42	2.40	- .59	.51	11.5	13	13	6	13	nw.
Everett.	Bedford.	1,080	13	36.4	-2.7	73	23	5	16	43	1.99	-2.06	.35	9.0	9	12	13	6	nw.
George School.	Bucks.	184	4	39.0	.....	70	23	9	16	46 <sup>b</sup>	2.81	.....	.98	6.0	8	15	13	3	w.
Gettysburg.	Adams.	600	37	37.8	-1.4	70	23 <sup>b</sup>	9	17	46 <sup>b</sup>	3.11	+ .05	.97	18.5	14	9	13	9	s.
Gordon.																			

TABLE 1.—Climatological data for March, 1911. District No. 1—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.							Precipitation, in inches.							Sky.	Prevailing direction of wind.	Observers.
				Mean.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeasured.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.			
<i>New Jersey.</i>																				
Asbury Park.....	Monmouth.....	22	23	37.7	- .6	70	22	13	16	34	3.53	- .77	.85	4.0	11	11	10	10	w.	B. H. Obert.
Atlantic City.....	Atlantic.....	16	38	38.3	- .5	58	22	17	16	26	3.24	- .49	.76	.8	12	11	5	15	nw.	U. S. Weather Bureau.
Bayonne.....	Hudson.....	50	21	37.5	- .5	68	22	15	16	32	3.55	- .68	1.06	5.2	11	11	13	7	w.	J. H. Eadie.
Belfydere.....	Warren.....	289	20	36.9	+ .1	70	22	10	16	42	3.26	- .78	1.02	7.7	10	10	12	9	-----	S. J. Hixson.
Bergen Point.....	Hudson.....	37	14	37.2	- .6	70	22	14	16	31	3.57	- .65	.90	4.7	10	9	14	8	nw.	Dr. W. H. Mitchell.
Boonton.....	Morris.....	413	21	37.2	- .6	70	22	16	16	35	3.81	+ .07	1.56	5.7	11	11	11	9	-----	Foster Peer.
Bridgeton.....	Cumberland.....	30	30	40.2	- .9	70	22	16	16	35	2.96	- 1.51	.80	3.0	12	12	7	12	w.	H. A. Jorden.
Burlington.....	Burlington.....	12	27	32.8	- .5	67	22	9	7	40	3.38	- .70	.90	4.9	11	11	12	8	nw.	D. S. B. McCoy.
Canton.....	Salem.....	24	17	27.8	- .9	57	22	19	16	20	3.13	- .93	.83	4.0	9	10	10	11	-----	J. H. Maskell.
Cape May City.....	Cape May.....	17	27	38.9	- .9	57	22	19	16	20	3.05	- .68	.68	3.8	12	9	14	8	s.	U. S. Weather Bureau.
Charlotteburg.....	Passaic.....	719	19	34.2	- .5	67	22	9	7	40	3.26	- .68	1.08	5.0	9	10	12	8	sw.	G. S. Briggs.
Chatham.....	Morris.....	234	9	38.3	+ .1	69	22	14	16	39	4.21	- .14	.97	6.5	10	10	10	11	nw.	M. A. Butler.
Clayton.....	Gloucester.....	126	18	39.6	- .2	69	22	15	16	35	2.96	- 1.02	.75	3.0	11	10	13	8	w.	W. T. Farley.
College Farm.....	Middlesex.....	100	16	37.8	+ .3	69	22	11	16†	41	3.86	+ .26	.95	4.5	10	10	13	8	nw.	G. B. Thrasher.
Culvers Lake.....	Sussex.....	848	10	38.0	- .3	69	22	14	16	35	2.96	- .07	.96	10.0	12	10	10	11	w.	B. E. Riker.
Dover.....	Morris.....	575	27	33.0	- 1.9	65	22	9	16	35	4.03	+ .13	1.59	7.0	10	7	16	8	-----	W. C. Harris.
Elizabeth.....	Union.....	33	32	38.6	+ .2	70	22	15	16	39	3.52	- .74	.87	5.5	10	10	11	10	nw.	W. M. Oliver.
Flemington.....	Hunterdon.....	187	23	38.3	+ .8	69	22	14	16	39	3.47	- .14	.97	6.5	10	10	11	11	sw.	H. E. Deats.
Haddonfield.....	Camden.....	75	24	38.8	- .4	69	22	14	16	35	3.20	- .68	1.17	3.0	11	11	10	10	nw.	C. F. Richardson.
Hammonton.....	Atlantic.....	80	13	38.8	- .2	71	22	14	16	40	2.91	- 1.46	.96	2.6	11	11	11	11	-----	Orville Bassett.
Hightstown.....	Mercer.....	85	19	38.8	- .2	71	22	14	16	40	3.43	- .93	1.21	6.0	9	11	12	8	sw.	Ernst Wenger.
Highwood.....	Bergen.....	90	21	36.2	- .6	69	22	14	16†	38	3.68	- .68	.96	4.0	9	14	8	-----	Charles J. Bates.	
Indian Mills.....	Burlington.....	76	32	38.6	- 1.2	72	22	9	17	40	3.43	- .67	1.10	4.0	11	10	11	10	nw.	James Armstrong.
Jersey City.....	Hudson.....	15	13	38.3	+ .1	71	22	15	16	32	3.40	- .70	.87	6.0	11	9	17	5	nw.	S. K. Pearson, Jr.
Lakewood.....	Ocean.....	54	9	37.8	- .2	72	22	16	16†	40	3.03	- .68	.73	2.6	10	10	14	7	sw.	Ralph Robertson.
Lambertville.....	Hunterdon.....	95	25	39.5	+ .5	69	22	14	16	39	3.06	- 1.05	1.09	7.0	10	10	11	10	nw.	W. R. Bowne.
Layton.....	Sussex.....	550	12	33.5	- .7	60	22	3	7	42	3.18	- .49	.91	12.0	10	11	9	-----	W. C. Hursh.	
Little Falls.....	Passaic.....	175	8	38.7	- .7	73	23	14	16	37	3.34	- .80	.80	10	11	10	10	11	w.	A. Sweetman.
Long Branch.....	Monmouth.....	30	4	38.7	- .7	73	23	14	16	37	3.65	- 1.05	1.23	8.0	11	10	10	11	nw.	B. B. Bobbitt.
Mahwan.....	Bergen.....	312	9	38.7	- .7	73	23	15	16	37	3.65	- .80	1.00	11	11	11	10	11	nw.	C. L. Barker.
Moorestown.....	Burlington.....	71	29	39.4	+ .6	71	23	15	16	37	2.76	- 1.05	.92	4.7	11	10	13	8	w.	J. C. Beans.
Newark.....	Essex.....	140	68	38.1	+ .6	69	22	14	16	38	3.94	- .09	1.04	4.7	11	12	9	10	nw.	Prof. Wm. Wiener.
New Brunswick.....	Middlesex.....	61	58	37.5	- .7	70	22	14	16†	38	3.40	- .51	.75	8.4	11	11	10	10	w.	W. T. Woerner.
Newton.....	Sussex.....	678	32	38.7	- .7	68	22	15	9†	33	2.90	- 1.18	.87	4.6	11	12	10	9	-----	W. G. Atwood.
Northfield.....	Atlantic.....	4	27	37.4	- 1.1	70	22	14	16	39	3.21	- .79	.84	1.8	10	12	8	-----	W. L. Flick.	
Paterson.....	Passaic.....	110	40	37.4	- 1.1	70	22	14	16	39	3.44	- .79	.94	4.0	12	12	8	-----	H. A. Probert.	
Phillipsburg.....	Warren.....	196	14	36.2	- 1.7	72	23	12	16	39	3.14	- .51	.90	12.1	11	10	11	10	w.	D. W. Smith.
Plainfield.....	Union.....	100	25	37.5	+ .9	70	22	14	16	39	3.52	- .29	.94	5.0	11	8	17	6	nw.	John Neagle.
Pleasantville.....	Atlantic.....	26	13	37.8	- 6.3	71	22	6	16	44	4.12	+ .88	.89	1.8	9	11	5	15	-----	L. Van Gilder.
Pompton Plains.....	Morris.....	195	9	37.9	- 5.7	76	27	8	16	45	3.68	- .07	.70	4.0	10	10	10	10	w.	M. S. Taylor.
Rancocas.....	Burlington.....	68	48	35.0	- 9	70	22	10†	1	42 <sup>b</sup>	2.64	- 1.65	.86	4.5	10	9	12	10	nw.	Spencer Halines.
Rivervale.....	Bergen.....	70	28	35.0	- 9	70	22	15	16	38	3.21	- .74	.63	5.2	11	10	14	7	sw.	G. S. M. Holdrum.
Somerville.....	Somerset.....	76	28	38.4	+ 1.5	70	22	15	16	38	3.57	- .24	1.01	4.5	10	7	13	11	sw.	P. Hardcastle.
South Orange.....	Essex.....	200	41	36.2	- 8	68	22	14	16	35	3.57	- .92	.80	8.5	10	9	12	nw.	Dr. W. J. Chandler.	
Sussex.....	Sussex.....	442	21	34.4	- 2.0	65	22	10	16†	37	2.75	- .46	.83	5.0	10	10	13	9	nw.	George Dymock.
Trenton.....	Mercer.....	60	40	40.0	- 6	76	22	14	16	40	3.88	- .46	.83	5.0	10	10	13	9	w.	Paul H. Wendel.
Woodbine.....	Cape May.....	43	20	39.8	- 3	68	22	15	9†	33	2.90	- 1.18	.87	4.6	11	12	10	9	-----	Prof. H. A. Dodge.
<i>West Virginia.</i>																				
Bayard.....	Grant.....	2,500	10	34.9	- 4.5	70	12	— 2	16	46	4.20	- .27	.59	20.5	21	5	10	16	w.	Solomon Clark.
Burlington.....	Mineral.....	875	17	39.6	- 2.2	76	23	8	16	44	2.60	- .52	.70	16.0	9	8	19	15	nw.	J. W. Vandiver.
Lost City.....	Hardy.....	5	37.9	38.0	- 6.8	72	22†	4	16	42	1.50	- 1.03	.55	8.5	6	11	12	8	w.	B. D. Hinegardner.
Martinsburg.....	Berkeley.....	435	19	38.6	- 2.7	75	22	10	16	39	2.27	- .74	.75	7.0	8	5	9	7	nw.	G. W. Van Metre, C. E.
Moorefield.....	Hardy.....	900	15	37.8	- 6.3	71	22	6	16	44	2.32	- 1.06	.57	11.0	6	4	20	7	s.	John C. Fisher.
Romney (a).....	Hampshire.....	824	14	37.9	- 5.7	76	27	8	16	45	2.90	+ .07	.70	8.0	9	10	15	5	w.	John C. Linthicum.
Upper Tract.....	Pendleton.....	1,230	14	41.0	- 3.6	78	12	7	16	44 <sup>a</sup>	2.44	- .04	.62	5.0	9	6	14	11	w.	J. M. Mallow.
<i>Maryland.</i>																				
Bachmans Valley.....	Carroll.....	800	18	38.6	- 1.1	77	27	8	9	44	2.31	- 2.72	1.00	6.0	9	16	12	3	w.	Elmer E. Yingling.
Baltimore.....	Baltimore.....	115	41	40.8	- 1.1	74	22	14	16	35	2.45	- 1.43	.78	8.4	14	12	14	5	sw.	U. S. Weather Bureau.
Cambridge.....	Dorchester.....	25	13	43.6	- 2.8	75	22†	15	16	39	3.27	- 1.03	.80	8.0	12	14	8	9	s.	T. E. Keenan.
Cheltenham.....	Prince George.....	230	11	42.4	- .2	75	22	9	9	46	2.67	- .60	.73	13	15	11	5	nw.	J. E. Burbank.	
Chestertown.....	Kent.....	80	26	41.2	- 1.5	69	22†	9	9	36	2.35	- 1.24	.51	7.0	12	10	17	4	w.	M. W. Thomas.
Chewsville.....	Washington.....	530	14	38.2	- 3.1	71	22	10	16	39	1.85	- 1.07	.55	10.0	13	9	17	5	nw.	D. Paul Oswald.
Clear Spring.....	do.....	650	14	36.2	- 4.2	72	22	7	16	40	2.76	- 1.50	.68	8.7						

TABLE 1.—*Climatological data for March, 1911. District No. 1—Continued.*

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.				Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	Prevailing direction of wind.	Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.							
<i>Delaware.</i>																					
Delaware City .....	Newcastle.....	20	9	39.4	.....	68	22	13	16	35	1.28	.....	.50	5.7	6	21	6	4	nw.	H. Morton Price.	
Dover.....	Kent.....	40	23	40.6	- 1.7	71	27	9	9	41	4.42	+	.10	1.37	7.0	8	14	10	w.	Thos. F. Dunn.	
Milford.....	do.....	20	27	42.3	- 1.8	72	22	10	9	41	3.86	-	.01	.71	7.0	13	15	8	nw.	C. J. Holzmueller.	
Millsboro.....	Sussex.....	20	19	39.8	- 4.2	74	27	6	9	46	3.16	-	.68	.63	8.5	11	15	8	nw.	Rev. L. W. Wells.	
Seaford .....	do.....	40	18	40.9	- 3.1	71	27	9	9	39	2.79	-	.89	.54	7.0	10	17	8	s.	E. B. Brown.	
<i>District of Columbia.</i>																					
Washington, D. C. ....		112	41	41.0	- 1.2	75	22	14	16	36	2.31	-	1.54	.68	8.0	13	12	9	10	nw.	U. S. Weather Bureau.
<i>Virginia.</i>																					
Culpeper.....	Culpeper.....	450	3	41.0	.....	74	22	11	9	39	2.06	.....	.70	7.0	9	9	16	6	nw.	Col. H. C. Burrows.	
Dale Enterprise.....	Rockingham.....	1,350	32	40.0	- 2.6	75	12†	5	16	43	2.18	-	.97	.60	9.0	11	10	13	w.	Rev. L. J. Heatwole.	
Doowell.....	Hanover.....	134	10	.....	.....	82	22	12	16	.....	.....	.....	.....	.....	.....	.....	.....	.....	s.	Rich., Fdksb. & Pot. R. R.	
Eastville.....	Northampton.....	15	1	45.6	+ 0.4	73	22†	21	25	33	3.60	-	1.11	1.25	6.0	13	19	4	sw.	Thos. B. Robertson.	
Fredericksburg.....	Spotsylvania.....	100	22	45.0	- 1.7	77	22	13	17	44	2.62	-	.68	.81	8.0	11	14	11	nw.	S. G. Howison.	
Lincoln.....	Loudon.....	500	10	39.1	.....	76	22	6	9	47	2.24	.....	.....	.60	4.0	8	13	12	nw.	Dr. Geo. Roberts.	
Mount Weather.....	do.....	1,725	7	35.0	- 1.8	70	22	4	16	36	2.57	-	1.41	.78	11.3	12	10	9	12	w.	U. S. Weather Bureau.
Quantico.....	Prince William.....	16	14	43.6	- 2.0	75	22	11	17	37	2.70	.....	.....	1.17	3.0	10	20	5	nw.	Rich., Fdksb. & Pot. R. R.	
Staunton.....	Augusta.....	1,380	19	40.6	- 4.4	75	12	10	16	41	2.94	-	.24	.85	8.5	10	11	12	sw.	Ernest Notmagle.	
Warsaw.....	Richmond.....	160	19	42.8	- 3.2	75	27	13	9	49	2.80	-	.93	.90	5.5	9	9	12	n.	C. H. Constable.	
Woolstock.....	Shenandoah.....	927	15	41.5	- 3.6	75	23	10	16	35	2.19	-	.75	.52	9.3	11	18	6	w.	Mrs. A. G. Miley.	

a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.

\* Precipitation included in that of the next measurement.

\*\* Temperature extremes are from observed readings of the dry bulb; means are computed from observed readings.

† Also on other dates.

‡ Separate dates of falls not recorded.

§ Data are from standard instruments not supplied by the U. S. Weather Bureau.

\$ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

|| Estimated by observer.

¶ Precipitation for the 24 hours ending on the morning when it is measured.

† Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—*Daily precipitation for March, 1911. District No. 1, North Atlantic States.*

## MONTHLY WEATHER REVIEW.

MARCH, 1911

TABLE 2.—*Daily precipitation for March, 1911. District No. 1—Continued.*

Stations.	Watershed.	Day of month.																														Total.	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
<i>Connecticut.</i>																																	
Bridgeport.	Coast.	T.	.06		.30					.29		.01				.54	.23		.44	.09		T.	T.										3.66
Canton.	Connecticut.	.05		.28					.12		T.				.06	.40		.25	.47	.12	.02											4.89	
Colchester.	Coast.	.10	T.	.30					T.		.02				.80	.40		.06	* .54		T.										4.43		
Cream Hill.	Housatonic.	.08		.30					.40		.03				.60	.55		.30	.20	.15	.17										3.79		
Danielson.	Coast.	.20		.50					.52						.39				1.50	.10											4.54		
Falls Village.	Housatonic.																																4.36†
Hartford.	Connecticut.	.06		.24					.16		.01		T.		.78			.17	.48	.17	T.										3.39		
Hawleyville.	Housatonic.			.20					.40		.04				.67	.18		.13	.48											3.97			
Lake Konomoo.	Coast.	.06		.90					.25						.91				.66												4.23		
New Haven.	do.	T.	.08	.01	.29				.24		.03		.01		.93	T.			.01	.56	.02	T.									4.48		
New London.	do.	.14	.05	.36					.29		.06		.70	.03		*	.53		.06											3.18			
North Grosvenor Dale.	do.																																2.62
Norwalk.	do.	.07		.14					.13		.04				.88	.24		.03	.11	.03											4.13		
Southington.	do.	.08		.30					.25		.02				.60	.18		.46	.03	.04										4.60			
Storrs.	do.	T.		.21					.15		T.		T.		.80	.30		.20	T.	.70	T.									3.56			
Voluntown.	do.	.10		.25					.32		.03				.96				.07	.52										3.62			
Wallingford.	do.	.03		.23					.19		.02				.74	.48			.03	.50	.02	.02								4.18			
Waterbury.	Housatonic.	.03		.21					.15		T.				.55	.23			.17	.41	.05	T.									3.69		
West Simsbury.	Connecticut.	.03		.25					.18		T.				.67	.15			.06	.61	T.										3.66		
<i>New York.</i>																																	
Addison.	Susq'hanna.	.02	.07		.09				.12		.17		T.	T.		.16	.04	T.		.01	.05	.02	T.									1.47	
Albany.	Hudson.	T.	T.		.06				.07		.02		T.		.90	T.		T.		.35	T.	T.									2.51		
Alfred.	Susq'hanna.	.60	.25						.25						T.		.03				T.										2.34		
Amsterdam.	Mohawk.	T.		.30					.10		T.				.20	T.			.25	.50	.20	.12									2.79		
Athens.	Hudson.	T.	T.		.16				.06		.04				1.04	T.	T.		.01	.48	T.										3.35		
Bainbridge  .	Susq'hanna.	*	.19						.26		.05		.16			.06	.05	T.			.20	.09									1.82		
Ballston Lake.	Hudson.	T.	.01	T.					.20		T.				.47	T.			.11	*	.74										2.92		
Bedford.	Coast.	T.	T.		.24				.07						.49	.11			.07	.12	T.										2.21		
Binghamton.	Susq'hanna.	T.	.04	T.	.10				.22		.19		.07		T.			.06	.20	.02	T.										1.81		
Blue Ridge.	Hudson.			.13	.20				.16						.20			T.		.14											1.54		
Bouckville.	Susq'hanna.	.05	.15	.60					.27		.05				.07	.10	.20		.15	.20										3.89			
Carmel  .	Hudson.			.25	.14				.27		.02				.64	.61		.05												4.34			
Chatham.	do.	T.	T.						.22		.05				1.05	.10	.03	T.											3.51				
Cooperstown.	Susq'hanna.	.06		.08	.28				.16		.03				.19	.05			.11	.45	.21									3.32			
Corinth  .	Hudson.			.19					.37						.08				.26												3.32		
Cortland.	Susq'hanna.	.05	.07						.01						.05	T.																2.10	
Cutchogue.	Coast.			.20	.15				.40						1.06	.20			.05	.48										4.64			
De Ruyter.	Susq'hanna.								.25						.10	.45	.16		.25	.07										3.72			
Easton.	Hudson.								.12		.24																				1.89		
Glen Falls.	do.	T.							.10		T.				.22				.23	.62	T.										2.66		
Gloversville.	Mohawk.	T.							.16		T.				.08				.40	.18	.50										2.59		
Greenfield Center.	Hudson.			.20					.30						.30				.25		.80									3.08			
Greenwich.	do.			.18					.15		.02				.70	.02			.04	.20	.03									3.52			
Griffin Corners.	Delaware.	T.	T.						.23		.14				.23	T.			.07	.24	.32									2.92			
Haskinville.	Susq'hanna.	.05	.05	.04					.25		.20				.04	T.				.10	.05									1.21			
Homer.	Hudson.	T.	.08	.02					.03		.10				.10	T.			.33	.10	.10	.10								3.14			
Hoosick Falls  .	Hudson.	T.							.45		.20				.03	.10			.20											3.79			
Indian Lake.	do.								.23		.02				.20				.25		.21									2.91			
Jeffersonville.	Delaware.	.02	.07						.23		.02				.26	T.			.53	.06										2.74			
Knowellhurst.	Hudson.	.10							.12						.09				.18		.51									2.29			
Liberty.	do.	T.							.21						.15				.24		.83									2.72			
Little Falls.	Mohawk.	T.							.40		.10				.11	T.			.59	T.										2.86			
Mechanicsville.	do.			.09	.16				.11		T.				.06				.60											2.86			
Mohonk Lake.	do.			.07	.10				.18		.16				.05				.45	.45	.64	.33								4.37			
Morehouseville.	Mohawk.	.50	.07	.03	.10				.18		.16				.05				.24	T.										5.00			
Newark Valley.	Susq'hanna.	T.	T.						.23		.05				.37				.14	.24	T.									2.02			
New Berlin  .	do.	T.	.01	.02	.01	T.			.20		.01				.09	T.			.24	.06	T.									2.24			
Newcomb.	Hudson.	T.							.24		.10				.20	T.			.14	.18	T.									2.33			
New Lisbon.	Susq'hanna.	T.	.01						.15		.01				.46	T.			.28	T.									2.87				
New York City.	Coast.	.02	T.						.16	</td																							

TABLE 2.—*Daily precipitation for March, 1911. District No. 1—Continued.*

Stations.	Watershed.	Day of month.																														Total.							
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31							
Pennsylvania—Con.																																							
Forks of Neshaminy	Delaware.																																						
George School	do.	T.	T.	28	20	40	06	20	40	06	03	01	69	28	13	17	02	T.	T.	45	25	40	10	2.34															
Gettysburg	Potomac	T.	T.	14	06	30	03	07	17	03	01	63	20	26	11	T.	T.	71	21	04	31	3.11																	
Girardville	Susquehanna	T.	T.	03	28	04	11	03	07	11	03	01	62	22	27	10	T.	T.	30	78	04	17	02	3.31															
Gordon	do.	03	03	28	04	11	03	07	11	03	01	62	22	27	10	T.	T.	32	1.32	21	21	3.21																	
Hamburg	Schuylkill	T.	T.	30	75	56	47	22	22	11	09	09	27	10	29	15	T.	T.	35	19	T.	T.	3.53																
Hanover	Susquehanna	T.	T.	13	09	13	42	11	10	53	09	07	69	02	T.	T.	24	23	09	T.	62	09	06	01	2.60														
Harrisburg	do.	T.	T.	06	28	39	39	10	07	06	02	05	18	T.	T.	31	T.	T.	43	T.	31	20	T.	T.	2.43														
Huntingdon	Juniata	T.	T.	18	20	67	12	10	10	05	18	09	20	07	T.	T.	31	T.	T.	43	T.	31	20	T.	T.	2.43													
Hyndman	Potomac	T.	T.	17	50	T.	15	09	09	20	07	T.	T.	31	T.	T.	43	T.	T.	43	T.	T.	31	20	T.	T.	2.43												
Kenneth Square	Coast	T.	T.	10	30	50	11	05	87	25	11	05	87	25	T.	T.	31	T.	T.	43	T.	T.	31	20	T.	T.	2.43												
Lansdale	Schuylkill	T.	T.	08	18	05	11	09	1.39	05	05	05	05	05	T.	T.	31	T.	T.	43	T.	T.	31	20	T.	T.	2.43												
Lawrenceville	Susquehanna	T.	T.	20	25	22	T.	28	13	14	T.	55	33	T.	03	02	01	1.01	02	17	T.	T.	20	1.15															
Lebanon	do.	01	25	22	T.	28	13	14	T.	55	33	T.	03	02	01	1.01	02	17	T.	T.	20	1.15																	
Le Roy	do.	05	15	13	25	01	05	01	08	01	08	18	01	03	05	01	1.04	01	10	26	05	2.55																	
Lewisburg	do.	T.	T.	30	08	28	18	18	18	18	18	18	18	18	T.	T.	31	T.	T.	43	T.	T.	31	20	T.	T.	2.05												
Lloyd	do.	05	10	10	20	22	T.	20	22	T.	20	22	T.	20	22	T.	20	22	T.	20	22	T.	20	22	T.	20	22	T.	20	22	T.	20	22						
Lock Haven	do.	T.	T.	22	T.	22	T.	22	T.	22	T.	22	T.	22	T.	22	T.	22	T.	22	T.	22	T.	22	T.	22	T.	22	T.	22	T.	22	T.	22					
Marion	Potomac	T.	T.	14	T.	18	40	15	10	10	25	T.	20	T.	11	T.	T.	12	T.	T.	12	T.	12																
Mauch Chunk	Delaware	T.	T.	45	41	02	14	22	13	36	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10						
Mifflintown	Juniata	T.	T.	15	T.	20	10	02	07	04	23	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10						
Mifflord	Delaware	T.	T.	03	34	13	09	13	09	13	09	13	09	13	09	13	09	13	09	13	09	13	09	13	09	13	09	13	09	13	09	13	09						
Montrose	Susquehanna	T.	T.	20	15	* 60	12	15	15	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10						
Mountain House	Juniata	T.	T.	24	32	01	40	10	15	34	24	T.	30	T.	T.	30																							
Mount Gretna	Susquehanna	T.	T.	01	24	32	01	40	10	15	34	24	T.	30	T.	T.	30	T.	T.	30																			
Muncy Valley	do.	10	20	31	22	02	15	04	1.19	04	1.19	04	1.19	04	1.19	04	1.19	04	1.19	04	1.19	04	1.19	04	1.19	04	1.19	04	1.19	04	1.19	04	1.19	04	1.19	04	1.19	04	
Ottsville	Delaware	T.	T.	10	22	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13					
Philadelphia (1)	do.	08	12	02	15	04	15	06	15	06	15	06	15	06	15	06	15	06	15	06	15	06	15	06	15	06	15	06	15	06	15	06	15	06					
Pocono Lake	do.	20	10	11	42	18	07	11	01	61	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07					
Point Pleasant	do.	02	02	45	07	11	01	61	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07						
Pottsville	Schuylkill	T.	T.	17	02	31	05	04	12	12	62	27	01	30	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35							
Reading	do.	T.	T.	10	22	10	22	10	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14							
Renova	Susquehanna	T.	T.	01	03	35	02	16	07	10	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14							
Scranton	do.	T.	T.	22	43	02	25	02	14	96	04	14	96	04	14	96	04	14	96	04	14	96	04	14	96	04	14	96	04	14	96	04							
Seisholtzville	Schuykill	T.	T.	23	25	10	06	T.	10	06	T.	12	08	T.	10	06	T.	12	08	T.	10	06	T.	12	08	T.	10	06	T.	12	08	T.	10	06					
Selinsgrove	Susquehanna	T.	T.	30	02	27	10	10	08	10	10	08	10	10	08	10	10	08	10	10	08	10	10	08	10	10	08	10	10	08	10	10							
Shawmont	Schuykill	T.	T.	03	30	02	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16							
Smiths Corners	do.	T.	T.	06	34	02	15	04	1.04	12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12				
Spring Mount	do.	T.	T.	10	30	15	01	85	16	01	85	16	01	85	16	01	85	16	01	85	16	01	85	16	01	85	16	01	85	16	01	85	16						
State College	Coast	T.	T.	10	30	15	01	85	16	01	85	16	01	85	16	01	85	16	01	85	16	01	85	16	01	85	16	01	85	16	01	85	16						
Stroudsburg	do.	T.	T.	30	02	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10							
Towanda	Susquehanna	T.	T.	02	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10							
Wellsboro	do.	T.	T.	07	10	20	21	28	14	07	30	72	08	38	14	07	30	72	08	38	14	07	30	72	08	38	14	07	30	72	08	38							
West Chester	Coast	T.	T.	01	07	20	21	28	14	07	30	72	08	38	14	07	30	72	08	38																			

TABLE 2.—*Daily precipitation for March, 1911. District No. 1—Continued.*

TABLE 3.—*Maximum and minimum temperatures at selected stations, March, 1911. District No. 1, North Atlantic States.*

Date.	Maine.												Concord, N. H.	Massachusetts.								Provi- dence, R. I.	Connecticut.						
	Eastport.		Greenville.		Orono.		Portland.		Presque Isle.		Rumford Falls.			Amherst.		Boston.		Middle- boro.		Nantucket.				Cream Hill.		Hartford.			
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.			
1...	27	2	18	-12	26	-6	35	10	22	-10	28	-4	34	6	36	15	40	19	35	10	36	20	39	17	39	10	38	18	
2...	37	22	31	13	38	12	40	22	31	4	34	14	36	26	39	23	42	20	41	26	42	31	41	28	37	22	40	25	
3...	26	11	22	-1	35	8	33	14	29	0	29	3	34	14	36	20	36	22	38	17	36	28	33	23	34	18	39	25	
4...	24	14	21	-8	28	3	28	17	25	-20	27	5	30	17	35	22	32	26	30	25	36	26	31	22	30	16	34	23	
5...	17	4	13	-5	29	1	22	9	20	-5	16	4	22	10	29	12	28	16	23	10	28	20	29	15	24	9	31	16	
6...	17	7	18	-3	21	4	20	12	22	-4	22	4	24	11	31	17	31	19	32	11	32	23	31	20	26	18	30	19	
7...	29	13	33	-9	35	-12	27	11	28	-15	23	-7	32	-3	34	2	28	18	32	19	32	28	32	15	34	10	32	9	
8...	42	20	42	-12	45	-10	42	9	40	-16	40	-7	44	-3	46	4	42	16	43	13	37	29	44	16	36	15	43	12	
9...	42	26	53	3	48	5	46	22	41	-5	48	8	53	9	54	11	42	29	55	11	49	30	51	25	40	19	54	20	
10...	38	28	34	25	49	19	38	31	38	17	38	27	40	30	43	33	42	36	46	27	41	32	42	33	38	23	43	36	
11...	35	26	33	11	40	21	39	24	32	14	43	17	45	22	48	26	44	29	44	28	38	30	46	29	41	20	46	29	
12...	36	27	30	12	40	14	37	29	32	9	34	18	38	21	38	27	42	33	42	19	42	29	41	30	36	28	43	33	
13...	34	27	32	17	38	26	41	31	32	17	38	24	41	21	46	28	45	36	45	37	38	31	44	32	42	30	45	34	
14...	40	26	42	10	43	8	41	25	45	10	42	14	48	19	51	22	44	33	46	17	41	28	43	25	45	28	49	23	
15...	41	32	36	23	40	23	44	31	42	20	40	27	47	28	51	24	53	36	53	28	45	37	54	28	42	27	55	23	
16...	38	3	34	-6	40	2	38	7	37	-1	31	1	32	6	24	10	36	14	43	13	41	18	28	14	37	8	23	13	
17...	25	8	20	-1	27	-2	30	11	21	-3	25	8	33	10	34	11	35	16	32	15	32	20	34	16	35	9	34	16	
18...	35	25	32	12	35	13	35	26	32	10	37	13	37	25	42	30	45	32	47	26	47	31	46	32	38	18	45	31	
19...	35	22	35	6	40	5	37	23	32	-5	38	12	40	9	41	22	42	31	44	19	44	32	43	29	42	22	42	20	
20...	38	29	36	24	42	25	43	31	35	-20	42	29	43	26	42	23	48	34	50	28	44	33	39	26	47	32	47	32	
21...	34	26	31	20	42	27	37	28	32	20	34	29	37	25	41	31	43	35	45	33	44	32	43	34	40	21	43	35	
22...	32	23	26	12	30	16	39	28	31	3	28	23	42	26	57	30	68	35	57	27	50	32	63	33	67	34	63	34	
23...	30	18	24	12	32	24	32	17	30	18	27	15	38	15	40	18	42	21	49	30	43	25	44	20	40	12	42	20	
24...	25	9	15	-1	31	5	25	11	22	3	20	7	25	10	30	14	30	16	32	16	31	20	30	16	30	8	29	15	
25...	30	9	35	-6	32	-9	34	9	32	-10	38	7	45	10	46	14	43	17	59	10	34	21	42	15	37	12	42	16	
Mn...	34.3	21.0	32.0	9.0	38.1	12.3	37.0	22.0	33.2	6.3	34.3	14.3	39.4	18.8	41.9	21.6	43.1	27.8	43.6	23.1	40.6	28.9	42.5	25.9	38.4	20.7	43.0	25.8	

Date.	New Haven, Conn.												Everett.	Pennsylvania.								State College.	Asbury Park, N. J.					
	Addison.		Albany.		Bingham- ton.		Indian Lake.		Little Falls.		New York.			Harris- burg.		Philadel- phia.		Scranton.		Wells- boro.			M.		M.			
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.		
1...	39	20	38	27	36	18	35	10	24	8	28	14	39	25	41	21	43	25	42	27	38	20	36	18	35	16	40	20
2...	42	30	37	25	40	26	33	19	28	19	32	14	40	33	36	29	40	32	45	33	37	26	34	23	44	30	30	23
3...	41	27	35	22	36	23	32	19	29	-6	34	14	47	31	50	31	52	34	53	33	38	25	42	26	34	23	53	30
4...	34	25	37	15	34	23	28	17	25	-4	34	12	37	28	49	20	40	28	43	29	30	21	35	24	34	14	52	27
5...	33	19	34	6	30	14	28	11	26	-2	22	3	34	22	48	15	35	20	35	23	30	14	35	7	32	22	35	20
6...	35	22	32	18	29	14	30	11	28	9	34	15	39	26	42	29	39	25	43	28	34	19	36	20	38	26	36	25
7...	32	15	31	-1	31	3	30	-2	30	-22	22	3	32	22	38	18	39	20	32	22	31	9	26	10	28	-3	38	25
8...	45	18	44	14	38	9	35	10	48	-18	41	5	42	24	41	18	39	24	42	29	39	23	41	19	45	13	40	21
9...	51	25	49	16	47	15	46	6	49	-12	39	11	48	31	43	10	45	33	50	35	47	17	46	15	50	21	50	21
10...	47	35	43	33	43	32	41	31	42	-27	39	27	49	37	50	29	52	33	58	36	46	33	47	32	52	32	52	32
11...	52	30	52	22	38	25	45	22	41	4	35	13	48	30	54	22	51	33	50	34	54	26	51	24	53	20	51	33
12...	42	32	47	38	40	32	43	36	45	21	37	27	47	35	54	33	49	35	53	34	47	38	48	36	46	30	47	33
13...	50	33	49	27	43	29	39	27	41	18	39	22	47	41	51	35	51	35	49	40	43	32	44	29	47	33	47	33
14...	45	28	52	21	50	25	47	20	47	2	42	22	46	37	41	25	49	35	51	35	49	27	40	28	46	18	40	27
15...	52	27	54	23	45	24	48	12	44	25	39	23	54	25	53	23	44	21	57	28	50	16						

TABLE 3.—*Maximum and minimum temperatures at selected stations, March, 1911. District No. 1—Continued.*

Date.	New Jersey.								Martinsburg, W. Va.	Maryland.								Millsboro, Del.	Washington, D. C.	Virginia.									
	Atlantic City.		Hights- town.		Newton.		Phillips- burg.			Baltimore.		Darlington.		Frederick.		Western Port.					Culpeper.		Freder- icksburg.		Staunton.				
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.			Max.	Min.	Max.	Min.	Max.	Min.				
1...	39	25	41	19	.....	.....	41	21	45	25	45	27	43	20	46	26	40	25	42	20	45	27	45	26	47	27	43	28	
2...	44	30	44	28	.....	.....	41	32	43	28	44	33	44	25	43	30	39	30	48	25	45	32	46	21	51	21	44	28	
3...	49	34	52	27	.....	.....	45	30	57	35	57	34	55	29	57	32	53	34	50	25	55	33	57	29	61	27	57	30	
4...	39	28	47	30	.....	.....	38	25	41	35	43	33	49	30	51	32	40	32	42	25	43	31	51	28	54	30	53	31	
5...	34	22	37	19	.....	.....	36	17	41	22	35	25	36	20	40	23	44	16	40	24	42	24	45	20	46	24	47	19	
6...	40	30	43	26	.....	.....	41	23	48	25	45	31	42	26	50	30	46	33	44	28	48	29	47	32	55	30	64	26	
7...	34	26	36	18	.....	.....	31	15	40	21	33	24	35	19	39	23	45	23	37	27	34	25	41	21	48	24	27	21	
8...	35	28	44	26	.....	.....	43	24	48	26	37	27	40	24	38	25	39	25	35	27	37	28	36	26	57	29	38	22	
9...	46	25	53	17	.....	.....	50	18	55	16	50	20	46	7	45	8	50	15	52	6	48	17	48	11	52	16	54	14	
10...	57	38	55	31	.....	.....	52	34	58	38	.....	.....	58	32	58	35	61	33	59	39	59	35	66	36	62	24	62	24	
11...	45	31	53	29	.....	.....	54	28	55	28	51	36	.....	.....	55	28	58	25	53	31	55	33	55	28	61	32	53	28	
12...	47	36	51	29	.....	.....	48	34	56	36	54	39	51	34	58	35	61	34	65	28	68	37	71	34	74	33	75	34	
13...	47	37	50	36	.....	.....	53	33	45	37	49	39	50	34	52	39	55	39	49	38	50	40	64	40	72	41	43	42	
14...	40	37	48	24	.....	.....	48	25	46	34	42	35	44	27	43	31	41	31	42	33	40	35	41	34	42	35	43	32	
15...	46	32	57	33	.....	.....	56	23	53	28	60	25	55	32	57	31	56	30	58	33	59	26	63	31	64	33	60	32	
16...	32	17	54	14	.....	.....	26	12	27	10	28	14	39	10	44	11	31	6	33	17	28	14	37	15	60	16	34	10	
17...	41	20	40	16	.....	.....	39	17	45	13	44	21	38	15	44	16	45	11	42	15	46	17	52	13	52	13	48	17	
18...	53	35	48	30	.....	.....	50	32	52	25	55	40	52	33	54	37	54	31	59	36	55	39	51	38	59	42	55	26	
19...	47	32	46	23	.....	.....	35	24	35	27	40	32	47	27	45	28	48	28	53	30	39	34	44	28	56	33	46	31	
20...	57	31	56	30	.....	.....	54	30	63	27	65	31	62	27	64	29	61	28	63	31	66	30	67	29	72	30	66	35	
21...	56	38	54	32	.....	.....	54	35	65	30	64	42	60	33	64	38	64	41	63	30	65	40	66	35	70	39	69	36	
22...	58	41	71	33	.....	.....	72	33	75	38	74	41	70	39	73	35	73	32	68	35	75	41	74	44	77	49	74	45	
23...	51	27	64	32	.....	.....	41	24	39	33	42	31	67	32	64	31	49	30	59	31	42	29	63	33	73	36	47	31	
24...	36	21	36	18	.....	.....	32	17	40	23	40	24	37	20	44	21	39	23	40	24	39	24	42	25	45	18	48	22	
25...	38	20	48	18	.....	.....	47	16	55	19	45	27	45	17	52	19	56	19	44	19	49	22	52	17	55	18	54	20	
26...	47	38	60	25	.....	.....	58	26	55	24	57	34	54	28	57	27	53	26	61	26	58	34	48	28	61	28	53	32	
27...	43	43	68	45	.....	.....	60	43	72	39	73	47	66	47	71	48	75	43	74	38	74	48	69	41	76	49	71	40	
28...	48	35	58	35	.....	.....	43	32	44	36	47	39	55	37	58	38	44	32	55	35	51	37	58	38	66	38	61	38	
29...	49	34	53	26	.....	.....	49	27	47	29	55	34	54	28	51	28	38	25	64	30	55	31	53	33	56	33	43	32	
30...	54	40	55	38	.....	.....	50	36	53	32	53	40	55	36	52	37	49	33	57	30	53	39	51	40	58	38	49	33	
31...	44	35	48	32	.....	.....	42	31	45	31	46	35	46	31	50	31	40	27	50	35	47	34	50	32	53	30	46	30	
Mn.	45.4	31.2	50.6	27.1	.....	.....	46.1	26.4	40.8	27.5	49.4	32.2	49.6 <sup>b</sup>	27.1 <sup>b</sup>	52.2	28.9	49.8	27.8	51.7	27.9	50.7	31.3	52.9	29.2	50.3	30.6	52.6	28.7	